

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Ryszard Kobylecki  
Appl. No.: 10/018,034  
Filed: July 23, 2002  
Docket No.: 1795  
Conf. No.: 6965  
Title: **INVESTIGATING DIFFERENT PHYSICAL AND/OR CHEMICAL  
FORMS OF MATERIALS**

Art Unit: 2857  
Examiner: Elias Desta

Action: **TRANSMITTAL OF SUPPLEMENTAL INFORMATION  
DISCLOSURE STATEMENT AFTER NOTICE OF ALLOWNACE**  
Date: January 6, 2005

TO: Mail Stop DD  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

The documents identified on the attached forms PTO/SB/08A and PTO/SB/08B have come to the attention of the undersigned in connection with the subject application. Unless otherwise indicated, copies of these documents are attached, and it is respectfully requested that they be made of record in this proceeding. Applicants particularly note for the Examiner's attention U.S. Patent Application, US 2002/0048610 to Cima et al.

The identification of these documents is for the purpose of meeting Applicant's duty of disclosure under 37 C.F.R. §1.56 and is not intended to be an admission that any of these documents constitute prior art as to the invention disclosed and claimed in the subject application. Please find enclosed check no. 18553 in the amount of \$180.00 the fee required for this submission. The Commissioner is hereby authorized

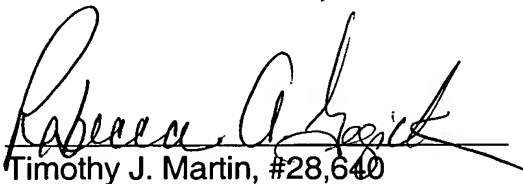
to charge any deficiency in the payment of the required fee(s) or credit any overpayment to Deposit Account No. 13-1940.

Please initial the attached forms PTO/SB/08A and PTO/SB/08B where indicated and return a copy of the initialed documents to the undersigned as an indication that the listed references have been considered and made of record.

The Examiner is courteously solicited to enter an expeditious allowance of this application. If any questions remain to be addressed, it is respectfully requested that the undersigned attorney for the Applicants be contacted at the number listed below.

Respectfully submitted,

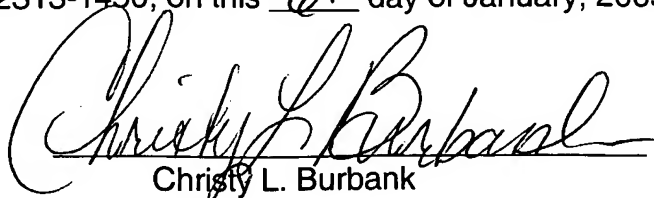
**TIMOTHY J. MARTIN, P.C.**



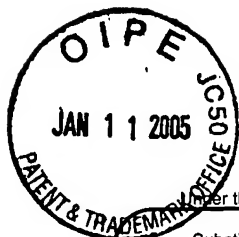
Timothy J. Martin, #28,640  
Michael R. Henson, #39,222  
Rebecca A. Gegick, #51,724  
9250 W. 5th Avenue, Suite 200  
Lakewood, Colorado 80226  
(303) 232-3388

**CERTIFICATE OF MAILING UNDER 37 C.F.R. 1.8**

I hereby certify that the foregoing **TRANSMITTAL OF SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT AFTER NOTICE OF ALLOWANCE (2 PAGES)** including **FORMS PTO/SB/08A AND PTO/SB/08B (12 pages)** and **REFERENCES** is being deposited with the United States Postal Service as first-class mail in an envelope addressed to Mail Stop RCE, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on this 6th day of January, 2005.



Christy L. Burbank



PTO/SB/08A (08-03)

Approved for use through 07/31/2006. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Sheet

1

of

12

**Complete if Known**

Application Number 10/018,034

Filing Date 07/23/2002

First Named Inventor R. Kobylecki

Art Unit 2857

Examiner Name D. Elias

Attorney Docket Number 1795

**U. S. PATENT DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code <sup>2</sup> (if known)			
		US- 2001/0016631	08/23/2001	Freitag et.	
		US- 2001/0055775	12/27/2001	Schultz et al.	
		US- 2002/0032531	03/14/2002	Mansky et al.	
		US- 2002/0037647	03/28/2002	Hwang et al.	
		US- 2003/0033088	02/13/2003	Agrafiotis et al.	
		US- 2003/0219906	11/27/2003	Giaquinta et al.	
		US- 3,899,011	08/12/1975	Curtiss	
		US- 4,399,687	08/23/1983	Collins	
		US- 4,835,711	05/30/1989	Hutchins et al.	
		US- 4,877,745	10/31/1989	Hayes et al.	
		US- 5,417,923	05/23/1995	Bojanic et al.	
		US- 5,445,934	08/29/1995	Fodor et al.	
		US- 5,463,564	10/31/1995	Agrafiotis et al.	
		US- 5,574,656	11/12/1996	Agrafiotis et al.	
		US- 5,658,802	08/19/1997	Hayes et al.	
		US- 5,684,711	11/04/1997	Agrafiotis et al.	
		US- 5,744,305	04/28/1998	Fodor et al.	
		US- 5,763,278	06/09/1998	Sickinger et al.	
		US- 5,807,522	09/15/1998	Brown et al.	

**FOREIGN PATENT DOCUMENTS**

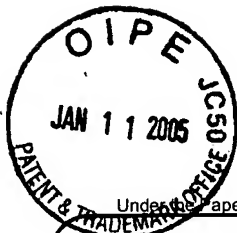
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T <sup>6</sup>
		Country Code <sup>3</sup> Number <sup>4</sup> Kind Code <sup>5</sup> (if known)				
		EP 0807811 A2	11/19/1997	Pfizer		
		EP 0921396 A2	06/09/1999	Pfizer		
		WO 00/03240	01/20/2000	Cetek		
		WO 94/11489	05/26/1994	Bochner		
		WO 96/06842	03/07/1996	Harding et al.		
		WO 96/16078	05/30/1996	Kobylecki et al		

Examiner Signature	Date Considered
-----------------------	--------------------

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.



PTO/SB/08A (08-03)

Approved for use through 07/31/2006. OMB 0651-0031  
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Sheet 2 of 12

**Complete if Known**

Application Number	10/018,034
Filing Date	07/23/2002
First Named Inventor	R. Kobylecki
Art Unit	2857
Examiner Name	D. Elias
Attorney Docket Number	1795

**U. S. PATENT DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code <sup>2</sup> (if known)			
		US- 5,832,182	11/03/1998	Zhang et al.	
		US- 5,843,767	12/01/1998	Beattie	
		US- 5,859,703	01/12/1999	Aldridge et al.	
		US- 5,901,069	05/04/1999	Agrafiotis et al.	
		US- 5,928,952	07/27/1999	Hutchins et al.	
		US- 5,956,137	09/21/1999	Lim et al.	
		US- 5,965,137	10/12/1999	Petrus	
		US- 5,985,214	11/16/1999	Stylli et al.	
		US- 5,999,255	12/07/1999	Dupee et al.	
		US- 6,003,029	12/14/1999	Agrawal et al.	
		US- 6,100,901	08/08/2000	Mohda et al.	
		US- 6,140,643	10/31/2000	Brown et al.	
		US- 6,175,816	01/16/2001	Flavin et al.	
		US- 6,267,935	07/31/2001	Hol et al.	
		US- 6,296,673	10/02/2001	Santarsiero et al.	
		US- 6,327,334	12/04/2001	Murray, Jr. et al.	
		US- 6,333,501	12/25/2001	Labrenz	
		US- 6,421,553	07/16/2002	Costa et al.	
		US- 6,434,490	08/13/2002	Agrafiotis et al.	

**FOREIGN PATENT DOCUMENTS**

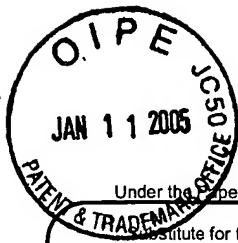
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T <sup>6</sup>
		Country Code <sup>3</sup> Number <sup>4</sup> Kind Code <sup>5</sup> (if known)				
		WO 98/40159	09/17/1998	Lebl et al.		
		WO 98/47613	10/29/1998	Wu et al.		
		WO 98/52614	11/26/1998	Rothbard et al.		
		WO 99/04247	01/28/1999	Neilsen		
		WO 99/06814	02/11/1999	Loewy et al.		
		WO 99/08112	02/18/1999	Alakov et al.		

Examiner Signature	Date Considered
-----------------------	--------------------

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.



PTO/SB/08A (08-03)

Approved for use through 07/31/2006. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Sheet 3 of 12

**Complete if Known**

Application Number	10/018,034
Filing Date	07/23/2002
First Named Inventor	R. Kobylecki
Art Unit	2857
Examiner Name	D. Elias
Attorney Docket Number	1795

**U. S. PATENT DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code <sup>2</sup> (if known)			
		US- 6,487,523	11/26/2002	Jarman et al.	
		US- 2002/0048610 A1	04/25/2002	Cima et al.	
		US- 6,507,636 B1	01/14/2003	Lehmann	
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			

**FOREIGN PATENT DOCUMENTS**

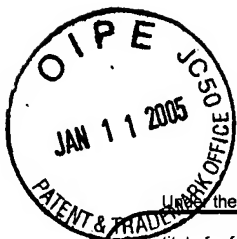
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T <sup>6</sup>
		Country Code <sup>3</sup> -Number <sup>4</sup> -Kind Code <sup>5</sup> (if known)				
		WO 99/45379	09/10/1999	Nienaber et al.		
		WO 99/45389	09/10/1999	Nienaber et al.		
		WO 98/18549	05/07/1998	Okamoto		
		WO 00/67872	11/16/2000	Glaxo Group		

Examiner Signature		Date Considered	
-----------------------	--	--------------------	--

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.



PTO/SB/08B (08-03)

Approved for use through 07/31/2006. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

**Complete if Known**

Application Number 10/018,034

Filing Date 07/23/2002

First Named Inventor R. Kobylecki

Art Unit 2857

Examiner Name Elias Desta

Attorney Docket Number 1795

Sheet

4

of

12

**NON PATENT LITERATURE DOCUMENTS**

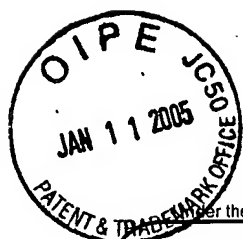
Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
		PETTY, C.J. et al., "Applications of FT-Raman Spectroscopy in the Pharmaceutical Industry."	
		MARTIN, P.A. et al., "Automation of Microtiter Plate-Chromogenic Substrate LAL Endotoxin Assay Method by Use of a Modified Cetus Pro/Pette Express System",	
		Journal of Parenteral Science & Technology, Vol. 40, No. 2, March-April 1986, pp. 61-66.	
		LENCZEWSKI, M. et al. "Automated Screening Method for Determining Optimum Preservative Systems for Personal and Home Care Products",	
		Journal of AOAC International, Vol. 81, No. 3, 1998, pp. 534-539.	
		LENNERNAS, H., "Human Intestinal Permeability", Journal of Pharmaceutical Sciences, Vol. 87, No. 4, 1998, pp. 403- 410	
		GEORGE, R. et al. "Automated dissolution testing of sustained release tablets", American Laboratory, Circular Reader Service, Card No. 17, February 1988, pp. 106-112	
		YARMAMURA, R. et al. " Receptor Binding as a Primary Drug Screen", Neurotransmitter Receptor Binding, 2d ed. Raven Press, 1985, pp. 189-233	
		"Department of Health and Human Services", Federal Register, Vol. 62, No. 85, 1997, pp. 24302-24309	
		ECKSTEIN, R. J. et al. "Unattended, Robotic Drug-Release Testing of Enterically Coated Aspirin", Analytical Chemistry, Vol. 58, No. 11, September 1986, pp. 2316-2320	

Examiner  
SignatureDate  
Considered

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

1 Applicant's unique citation designation number (optional). 2 Applicant is to place a check mark here if English language Translation is attached. This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.



PTO/SB/08B (08-03)

Approved for use through 07/31/2006. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

**Complete if Known**

Application Number	10/018,034
Filing Date	07/23/2002
First Named Inventor	R. Kobylecki
Art Unit	2857
Examiner Name	D. Elias
Attorney Docket Number	1795

Sheet	5	of	12
-------	---	----	----

**NON PATENT LITERATURE DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
		SONG, C.X. et al. "Controlled release of U-86983 from double-layer biodegradable matrices: effect of additives on release mechanism and kinetics",	
		Journal of Controlled Release, Vol. 45, (1997), pp. 177-192	
		GOLD, G. et al., "Effects of Selected U.S.P. Talcs on Acetylsalicylic Acid Stability in Tablets", Journal of Pharmaceutical Sciences, Vol. 53, No. 1, January 1964, pp. 52-54	
		WARD, K. et al., "Automatic Preparation of Protein Crystals Using Laboratory Robotics and Automated Visual Inspection", Journal of Crystal Growth, Vol. 90 (1988), pp 325-339	
		OTSUKA, M. et al., "Physicochemical Characterization of Glybuzole Polymorphs and Their Pharmaceutical Properties", Research Paper, Marcel Dekker, Inc. 1999, pp. 197-203	
		LITTLECHILD, J.A., "Protein Crystallization: Magical or Logical: Can We Establish Some General Rules?",	
		Journal of Physics D: Applied Physics, Vol. 24, No. 2, February 1991, pp. 111-118	
		CHAYEN, Naomie E. et al., "Microbatch Crystallization Under Oil - A New Technique Allowing Many Small-Volume Crystallization Trials",	
		Journal of Crystal Growth, Vol. 122, Nos. 1-4, August 1992 pp. 176-180	
		CRAW, S. et al., "Cased-Based Design for Tablet Formulation", pp. 358-369.	

Examiner Signature		Date Considered	
--------------------	--	-----------------	--

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> Applicant is to place a check mark here if English language Translation is attached. This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.



PTO/SB/08B (08-03)

Approved for use through 07/31/2006. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

**Complete if Known**

Application Number	10/018,034
Filing Date	07/23/2002
First Named Inventor	R. Kobylecki
Art Unit	2857
Examiner Name	D. Elias
Attorney Docket Number	1795

Sheet	6	of	12
-------	---	----	----

**NON PATENT LITERATURE DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
		YAKOVLEV, Y. et al., "A Laboratory Apparatus for Crystal Growth from Solution", Instruments and Experimental Techniques, Vol. 41, No. 2, 1998, pp. 292-296	
		FINDLAY, W. et al., "Utilization of Fourier transform-Raman spectroscopy for the study of pharmaceutical crystal forms"	
		Journal of Pharmaceutical and Biomedical Analysis, Vol. 16 (1998) pp. 921-930	
		FERWERDA, R., et al. "The Use of FT-Raman Spectroscopy and Chemometric Procedures in the Analysis of Pharmaceuticals, Nicolet FT-Raman, (1997)	
		TISONE, T, "Dispensing Systems for Miniaturized Diagnostics", IVD Technology Magazine, May 1998	
		SORIANO, T. et al., "ASTEC: an Automated System for Sitting-Drop Protein Crystallization", Journal of Applied Crystallography, Vol. 26, 1993, pp. 558-562	
		STEWART, P. et al., "Practical Experimental Design Techniques for Automatic and Manual Protein Crystallization", Journal of Crystal Growth, Vol. 196, 1999, pp. 665-673	
		RUBIN, B. et al., "Minimal Intervention Robotic Protein Crystallization", Journal of Crystal Growth, Vol. 110, 1991, pp. 156-163	
		PETTY, C. et al., "The use of FT-Raman Spectroscopy in the Study of Formulated Pharmaceuticals", Nicolet Instruments of Discovery, Nicolet Instrument Corporation (1991)	
		CARRIE et al., "An Automated Sampling Device for Dissolution Testing" J. of Pharmaceutical Sciences, Vol. 72, No. 8, August 1983, pp. 976-988.	

Examiner Signature	Date Considered
--------------------	-----------------

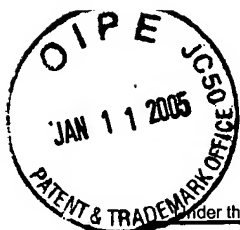
\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.





PTO/SB/08B (08-03)

Approved for use through 07/31/2006. OMB 0651-0031  
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

**Complete if Known**

Application Number	10/018,034
Filing Date	07/23/2002
First Named Inventor	R. Kobylecki
Art Unit	2857
Examiner Name	D. Elias
Attorney Docket Number	1795

Sheet	7	of	12
-------	---	----	----

**NON PATENT LITERATURE DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
		OLDFIELD, T.J. et al., "A Flexible Approach to Automated Protein Crystallization", Journal of Applied Crystallization, Vol. 24, 1991, pp. 255-260	
		MORRIS, D.W. et al., "Automation of Protein Crystallization Trials: Use of a Robot to Deliver Reagents to a Novel Multi-Chamber Vapor Diffusion Plate",	
		Product Application Focus, BioTechniques, Vol. 7, No. 5, (1989), pp. 522-527	
		NEWMAN, A., "Send in the Robots", Analytical Chemistry, Vol. 62, No. 1, January 1, 1990, pp. 29A - 34A.	
		McPHERSON, A., "Two Approaches to the Rapid Screening of Crystallization Conditions", Journal of Crystal Growth, Vol. 122, (1992) pp. 161-167	
		LINDSEY, J.S. et al., "Robotic work station for microscale synthtic chemistry: On-line absorption spectroscopy, quantitative automated thin-layer chromatography,	
		and multiple reactions in parallel", Rev. Sci. Instrum., Vol. 59, No. 6, June 1988, pp. 940-950	
		KELDERS, H. et al., "Automated protein crystallization and a new crystal form of a subtilisin:eglin complex", Protein Engineering, Vol. 1, No. 4, 1987, pp. 301-303	
		JANCARIK, J. et al., "Sparse matrix sampling: a screening method for crystallization fo proteins", Journal of Applied Crystallization, Vol. 24, 1991, pp. 409-411.	
		BOWTELL, David D.L., "Options available-from start to finish-for Obtaining Expression Data by Microarray", Peter MacCallum Cancer Institute, pp. 25-32	

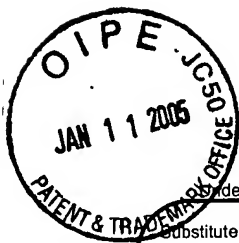
Examiner Signature		Date Considered	
--------------------	--	-----------------	--

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.



PTO/SB/08B (08-03)

Approved for use through 07/31/2006. OMB 0651-0031  
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

**Complete if Known**

Application Number	10/018,034
Filing Date	07/23/2002
First Named Inventor	R. Kobylecki
Art Unit	2857
Examiner Name	D. Elias
Attorney Docket Number	1795

Sheet	8	of	12
-------	---	----	----

**NON PATENT LITERATURE DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
		GONZALEZ, F. et al., "Crocodile: An Automated Apparatus for Organic Crystal Growth from Solution", Acta Astronautica, Vol. 25, No. 12, 1991, pp. 775-784	
		GILLILAND, G. et al., "Biological Macromolecule Crystallization Database, Version 3.0: New Features, Data and the NASA Archive for Protein Crystal Growth Data",	
		Acta Crystallization Section D, 1994, pp. 408-413	
		ZHU, H. et al., "Influence of water activity in organic solvent water mixtures on the nature of the crystallizing drug phase 1. Theophylline",	
		International Journal of Pharmaceutics, Vol. 135, January 1996, pp. 151-160	
		CUDNEY, B. et al., "Screening and Optimization Strategies for Macromolecular Crystal Growth",	
		Acta Crystallographica Section D, Vol. D50, 1994, pp. 414-423	
		COX, M.J. et al., "Experiments with Automated Protein Crystallization", Journal of Applied Crystallography, Vol. 20, 1987, pp. 366-373	
		CHAYEN, N. et al., "New Developments of the IMPAX Small-Volume Automated Crystallization System", Acta Crystallographica Section D, Vol. D50, 1994, pp. 456-458	
		CHAYEN, N. et al., "An Automated System for Micro-Batch Protein Crystallization and Screening", Journal of Applied Crystallography, Vol. 23, 1990, pp. 297-302	

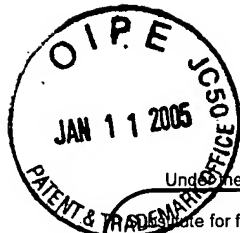
Examiner Signature	Date Considered
-----------------------	--------------------

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.



PTO/SB/08B (08-03)

Approved for use through 07/31/2006. OMB 0651-0031  
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (Use as many sheets as necessary)		<b>Complete if Known</b>			
		Application Number	10/018,034		
		Filing Date	07/23/2002		
		First Named Inventor	R. Kobylecki		
		Art Unit	2857		
		Examiner Name	D. Elias		
Sheet	9	of	12	Attorney Docket Number	1795

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
		CASAY, G.A. et al., "Laser Scattering in a Hanging Drop Vapor Diffusion Apparatus for Protein Crystal Growth in a Microgravity Environment",	
		Journal of Crystal Growth, Vol. 122, 1992, pp. 95-101	
		BULLOCK, E. et al., "Apparatus for the growth of crystals from small volumes of solution", Journal of Physics E, Scientific Instruments, Vol. 5, 1972, pp. 412-413	
		BRODERSEN, D.E. et al., "XAct: a program for construction, automated setup and bookkeeping of crystallization experiments",	
		Journal of Applied Crystallography, Vol. 32, 1999, pp. 1012-1016	
		BECKMANN, W. et al., "The Effect of Additives on Nucleation: A Low Cost Automated Apparatus", Journal of Crystal Growth, Vol. 99, 1990, pp. 1061-1064	
		LONGMIRE, M.L. et al., "Polymorph Analysis by Dispersive Raman Spectroscopy", Nicolet Instruments of Discovery	
		ANDERSEN G.R. et al., "A Spreadsheet Approach to Automated Protein Crystallization", Journal of Applied Crystallography, Vol. 29, 1996, pp. 236-240	
		ALDRIDGE, P.K. et al., "A Robotic Dissolution System with On-Line Fiber-Optic UV Analysis", J. of Pharmaceutical Sciences, Vol. 84, No. 8, August 1995	
		BOWTELL, D., "Options Available from Start to Finish for Obtaining Expression Data by Microarray", Nature Genetics Supplement, Vol. 21, January 1999, pp. 25-32	

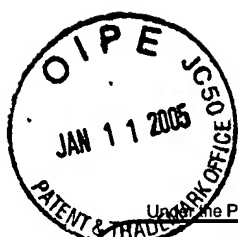
Examiner Signature		Date Considered	
--------------------	--	-----------------	--

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.



PTO/SB/08B (08-03)

Approved for use through 07/31/2006. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

**Complete if Known**

Application Number	10/018,034
Filing Date	07/23/2002
First Named Inventor	R. Kobylecki
Art Unit	2857
Examiner Name	D. Elias
Attorney Docket Number	1795

Sheet	10	of	12
-------	----	----	----

**NON PATENT LITERATURE DOCUMENTS**

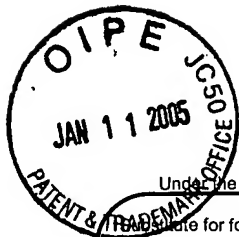
Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
		MORRIS, K. et al., "An Integrated Approach to the Selection of Optimal Salt Form for a New Drug Candidate", International Journal of Pharmaceutics, Vol. 105, 1994, pp. 209-217	
		LAMPARTER, E. et al., "The Automation of Dissolution Testing of Solid Oral Dosage Forms", J. of Pharmaceutical & Biomedical Analysis, Vol. 10, Nos. 10-12, 1992, pp. 727-73	
		DE CASTRO, M.D. et al., "Automation of pharmaceutical dissolution testing by flow injection analysis",	
		Journal of Pharmaceutical & Biomedical Analysis, Vol. 8, No. 4, 1998, pp. 329-336	
		LO, Su-Chin, et al., "Automated Drug Dissolution Monitor That Uses a UV-Visible Diode Array Spectrophotometer",	
		Journal of Pharmaceutical Sciences, Vol. 82, No. 4, April 1993, pp. 350-354.	
		PAPAS, A.N. et al., "Evaluation of Robot Automated Drug Dissolution Measurements", American Chemical Society 1995, pp. 14081411	
		SHAH, K.P. et al., "Automated analytical systems for drug development studies 3. Multivessel dissolution testing system based on microdialysis sampling",	
		Journal of Pharmaceutical and Biomedical Analysis, Vol. 13, 1995, pp. 1235-1241	
		MANN, M., "Quantitative proteomics?" Nature Biotechnology, Vol. 17, October 1999, pp. 954-955	

Examiner Signature	Date Considered
--------------------	-----------------

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> Applicant is to place a check mark here if English language Translation is attached. This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.



PTO/SB/08B (08-03)

Approved for use through 07/31/2006. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

**Complete if Known**

Application Number	10/018,034
Filing Date	07/23/2002
First Named Inventor	R. Kobylecki
Art Unit	2857
Examiner Name	D. Elias
Attorney Docket Number	1795

Sheet	11	of	12
-------	----	----	----

**NON PATENT LITERATURE DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
		SHAH, K.P. et al., "Automated analytical systems for drug development studies II- A system for dissolution testing",	
		Journal of Pharmaceutical & Biomedical Analysis, Vol. 12, No. 12, 1994, pp. 1319-1527	
		FODOR, S. et al., "Light-Directed Spatially Addressable Parallel Chemical Synthesis", Research Article,	
		American Association for the Advancement of Science, Vol. 251, No. 4995, February 1991, pp. 767-773	
		FODOR, S., "Massively Parallel Genomics", American Association for the Advancement of Science, Vol. 277, No. 5324, July 1997, pp. 393-395	
		MARSHALL, A. et al., "DNA chips: An array of possibilities", Nature Biotechnology, Vol. 18, January 1998, pp. 27-31	
		RAMSAY, G., "DNA chips: State-of-the art", Nature Biotechnology, Vol. 16, January 1997, pp. 40-44	
		PERSIDIS, A., "An ambitious drug development platform attempts to link gene sequence to expressed phenotype under various physiological states",	
		Nature Biotechnology, Vol. 16, April 1998, pp. 393-394	
		CHEUNG, V.G. et al., "Making and reading microarrays", Nature Genetics Supplement, Vol. 21, January 1999, pp. 15-19	

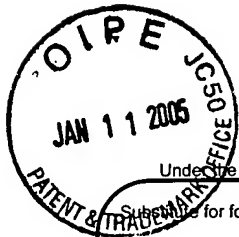
Examiner Signature	Date Considered
--------------------	-----------------

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.



PTO/SB/08B (08-03)

Approved for use through 07/31/2006. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Submit for form 1449/PTO

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

**Complete if Known**

Application Number	10/018,034		
Filing Date	07/23/2002		
First Named Inventor	R. Kobylecki		
Art Unit	2857		
Examiner Name	D. Elias		
Attorney Docket Number	1795		
Sheet	12	of	12

**NON PATENT LITERATURE DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
		FRANK, R., "Simultaneous and Combinatorial Chemical Synthesis Techniques for the Generation and Screening of Molecular Diversity",	
		Journal of Biotechnology, Vol. 41, 1995, pp. 259-272	
		COX, M.J. et al., "An Investigation of Protein Crystallization Parameters Using Successive Automated Grid Searches (SAGS)",	
		Journal of Crystal Growth, Vol. 90, Nos. 1-3, (1988), pp. 318-324.	
		ZEELLEN, J. et al., "Crystallization Experiments with 2-Enoyl-CoA Hydratase, Using an Automated Fast-Screening Crystallization Protocol",	
		Acta Crystallographica, Section D, 1994, pp. 443-447.	
		BRIGGS, J. et al., "The Temperature-Composition Phase Diagram and Mesophase Structure Characterization of the Monoolein/Water System",	
		J. Phys. II France, Vol. 6, May 1996, pp. 723-751	

Examiner Signature	Date Considered
-----------------------	--------------------

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.